

# Heitor Gouvêa

Information Security Professional

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## SUMMARY

I work on projects that help people, organizations and companies take control of their own information. My work is focused on understanding threat models, analyzing existing applications and building intelligent tools to combat risk current and future security for both individuals and groups.

I have audited high profile websites for security vulnerabilities and have worked in teams of software developers and computer scientists delivering high security architectures.

I have experience developing in a wide array of programming languages including: PHP, Shell Script, JavaScript, Perl, C and Ruby. And have knowledge of telecommunication and internet protocols including, but not limited to TCP/IP, UDP, HTTP, FTP, SSH, SMTP and Telnet.

I am fascinated by the area of offensive security, so I spend many hours studying this segment. In the past I won some prizes: first place in the CTF of Bsides São Paulo 16th, the qualification of Hackaflag in 2019 and first place in Hackathon of the City of Campinas in 2017.

I have a big open source project: Nipe is a tool to make Tor Network your default gateway. Nipe enables you to directly route all your traffic from your computer to the Tor Network through which you can surf the Internet Anonymously without having to worry about being tracked or traced back.

On my personal website you can see my past researches: <https://heitorgouvea.me>

- Security Advisories: [CVE-2019-15032](#) / [CVE-2019-15033](#)

## EXPERIENCE

### *Independent Security Researcher*

05/2018 - PRESENT

[heitorgouvea.me](https://heitorgouvea.me)

I work both independently and as part of research teams to explore cyber security vulnerabilities and to develop comprehensive strategies to mitigate risk. I have experience has a hands-on engineer, researcher, and security architect. I already worked as a Red Team Member with amazing companies of security consulting like: OGASEC, Deloitte Brazil and CIPHER. In the past, I reported some vulnerabilities in the following Brazilian Banks and FinTechs: Digio, Smart Bank, C6 Bank and Caixa Econômica Federal.

### *Security and Development Analyst*

11/2017 - 04/2018

Horizon Four

I worked providing consulting in the field of offensive information security for institutions, private companies and government organizations. My work was been focused on conducting intrusion testing on Infrastructures and Web Applications, as well as performing security review of code, architectures and pipeline of operations.

### *Information Technology Trainee*

04/2016 - 11/2017

IMA - Informática de Municípios Associados S/A

I participated in the trainee program to be trained and prepared to assume strategic positions in the future. During the trainee process, I worked directly with clients, understanding their problems and later proposing some solutions, working alongside the teams of: new business, support, software engineering, software architecture, information security and project management.

## TECHNICAL SKILLS

**Architecture:** scalability, distributed system, decentralized systems, high architecture, parallel computing and design patterns;

**Client-side:** HTML5, CSS3, MaterializeCSS, Sass, JavaScript and AngularJS;

**Server-side:** Shell Script, PHP, Perl and Mojo Framework;

**Database:** MongoDB, MySQL and PostgreSQL;

**Tools:** Bower, Git, Jekyll, Grunt and Docker;

**Pentesting:** Web Applications, Mobile Apps (Android and iOS) and Intern/Extern Infrastructure;

**Agile Methods:** Scrum and Extreme Programming;

**Others:** Web performance, SEO, Responsive Design, Cross-browser, OOP, UML, Progressive Web Apps, Linux Systems Administration, Secure code review and Red Team Strategies;

## LANGUAGES

**Portuguese:** native

**English:** limited work proficiency